FIG. 1

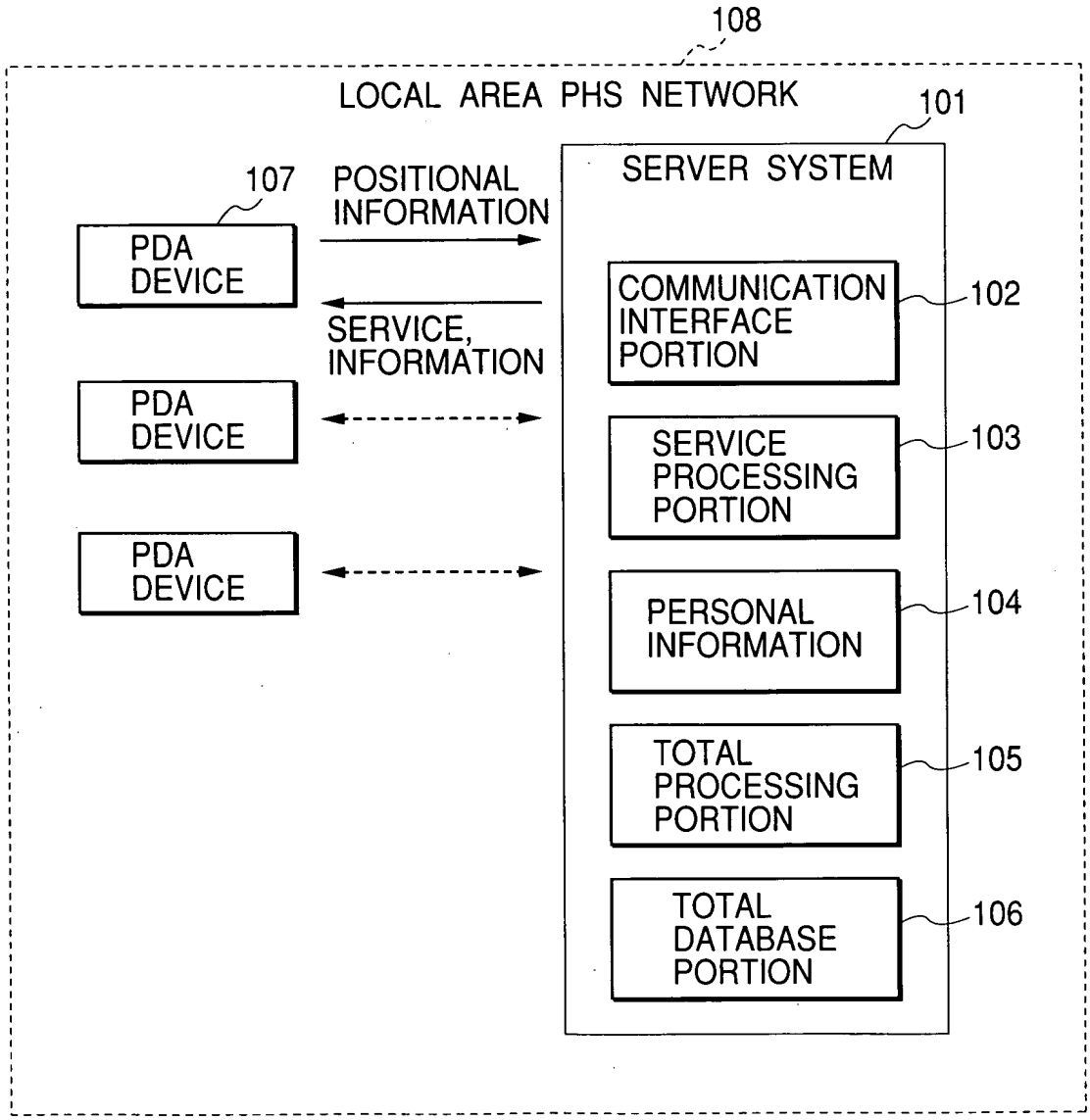
108
LOCAL AREA PHS NETWORK
101
SERVER SYSTEM
107
POSITIONAL INFORMATION
PDA DEVICE
SERVICE, INFORMATION
PDA DEVICE
PDA DEVICE
COMMUNICATION INTERFACE PORTION
102
SERVICE PROCESSING PORTION
103
PERSONAL INFORMATION
104
TOTAL PROCESSING PORTION
105
TOTAL DATABASE PORTION
106

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FIG. 2

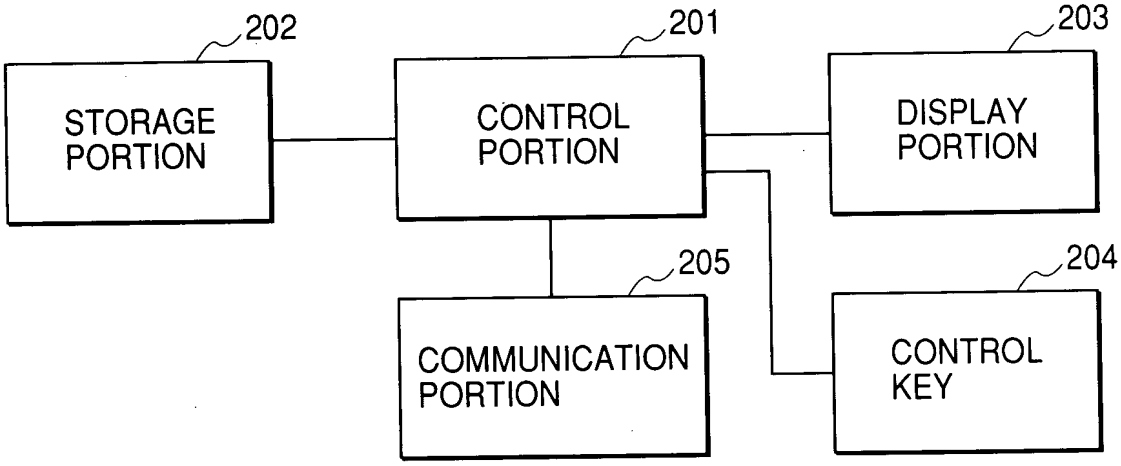

FIG. 3

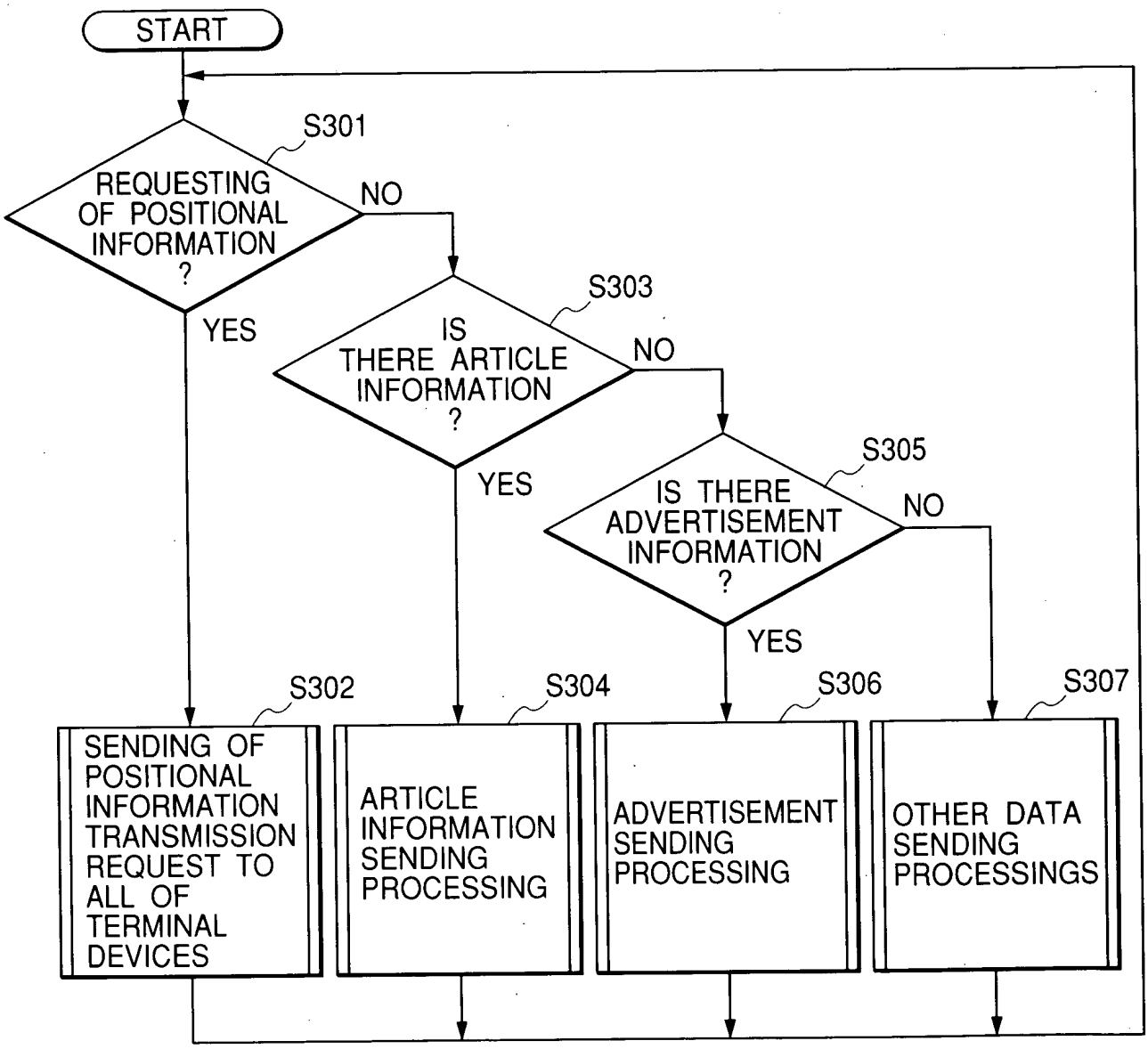
START
S301
REQUESTING OF POSITIONAL INFORMATION ?
NO
YES
S303
IS THERE ARTICLE INFORMATION ?
NO
YES
S305
IS THERE ADVERTISEMENT INFORMATION ?
NO
YES
S302
SENDING OF POSITIONAL INFORMATION TRANSMISSION REQUEST TO ALL OF TERMINAL DEVICES
S304
ARTICLE INFORMATION SENDING PROCESSING
S306
ADVERTISEMENT SENDING PROCESSING
S307
OTHER DATA SENDING PROCESSINGS

FIG. 4

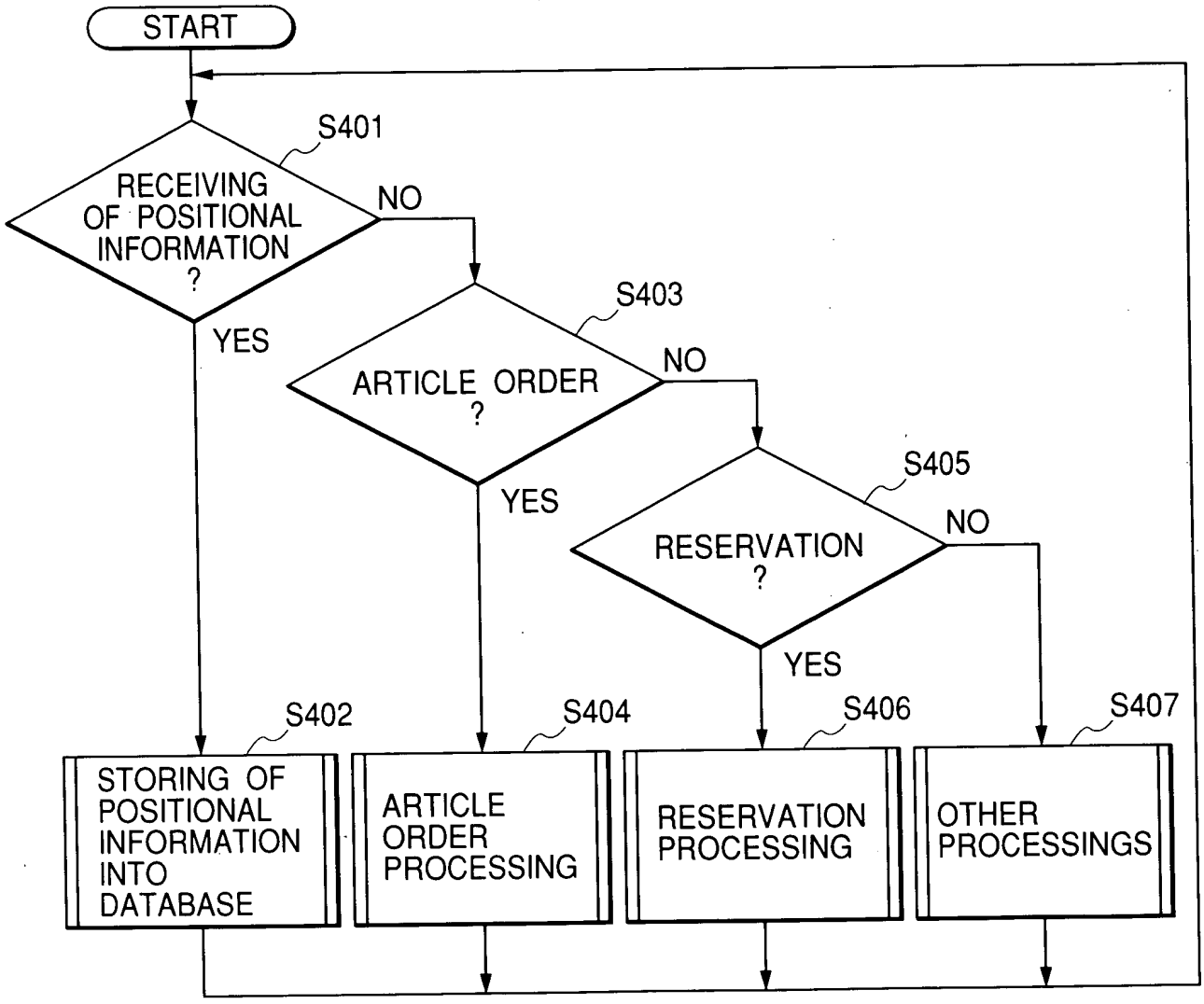
START
S401
RECEIVING OF POSITIONAL INFORMATION ?
NO
YES
S403
ARTICLE ORDER ?
NO
YES
S405
RESERVATION ?
NO
YES
S402
STORING OF POSITIONAL INFORMATION INTO DATABASE
S404
ARTICLE ORDER PROCESSING
S406
RESERVATION PROCESSING
S407
OTHER PROCESSINGS

FIG. 5

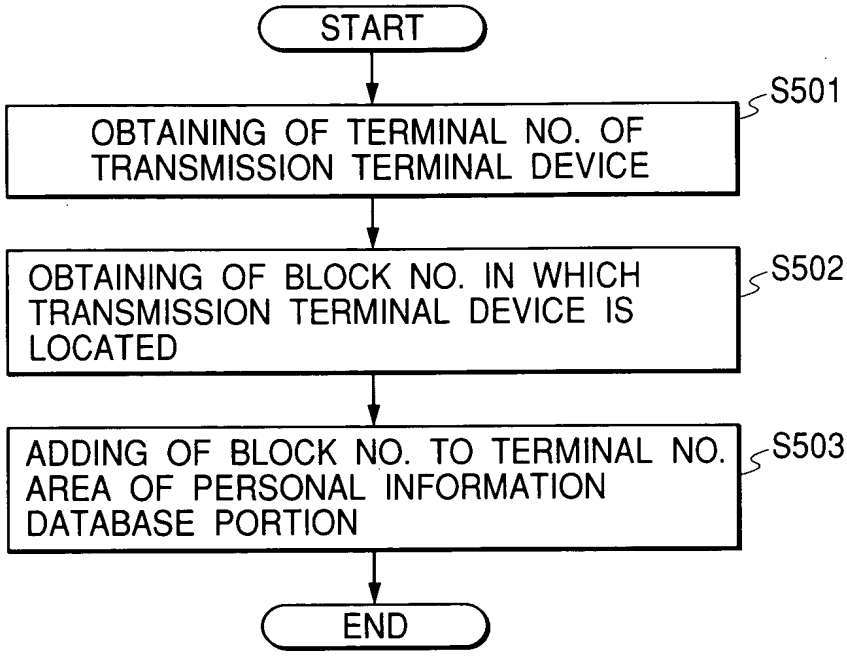
START
OBTAINING OF TERMINAL NO. OF TRANSMISSION TERMINAL DEVICE
S501
OBTAINING OF BLOCK NO. IN WHICH TRANSMISSION TERMINAL DEVICE IS LOCATED
S502
ADDING OF BLOCK NO. TO TERMINAL NO. AREA OF PERSONAL INFORMATION DATABASE PORTION
S503
END

FIG. 6

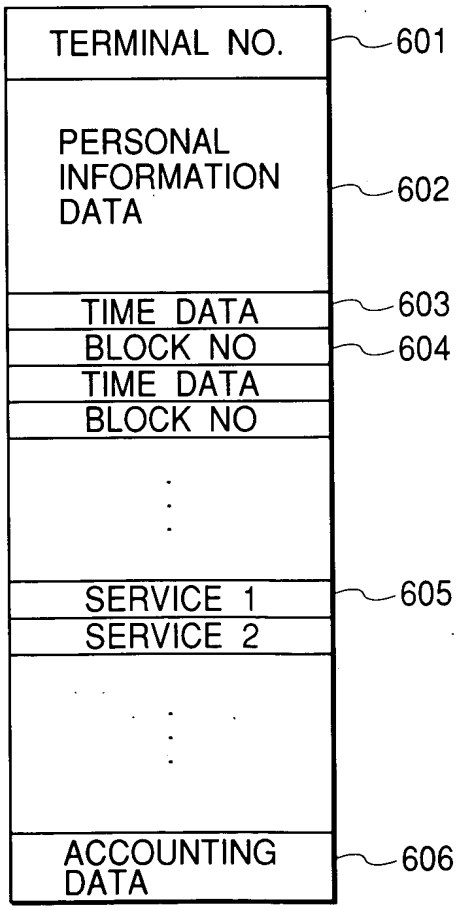
TERMINAL NO.
601
PERSONAL INFORMATION DATA
602
TIME DATA
603
BLOCK NO
604
TIME DATA
BLOCK NO
SERVICE 1
605
SERVICE 2
ACCOUNTING DATA
606

FIG. 7

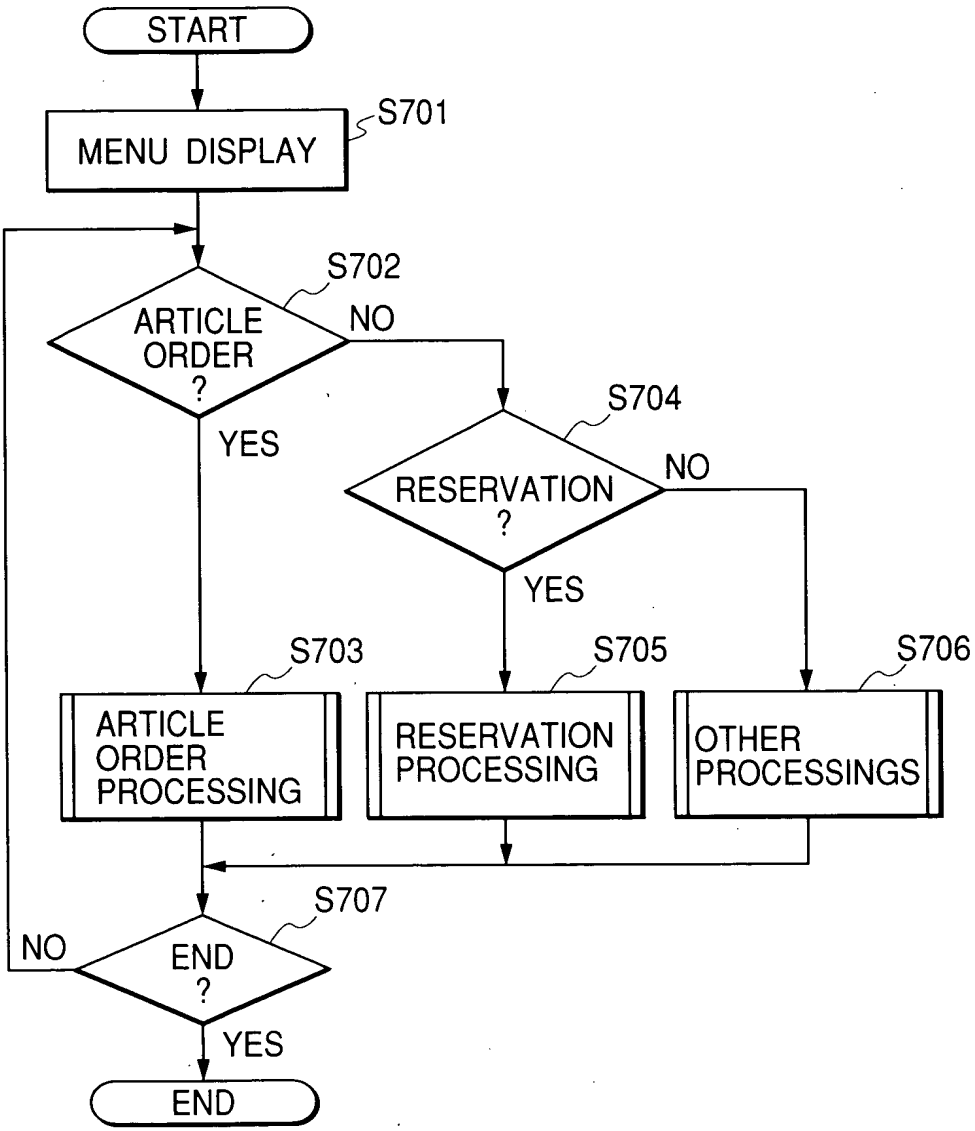
START
MENU DISPLAY
S701
S702
ARTICLE ORDER ?
NO
YES
S704
RESERVATION ?
NO
YES
S703
S705
S706
ARTICLE ORDER PROCESSING
RESERVATION PROCESSING
OTHER PROCESSINGS
S707
END ?
NO
YES
END

FIG. 8

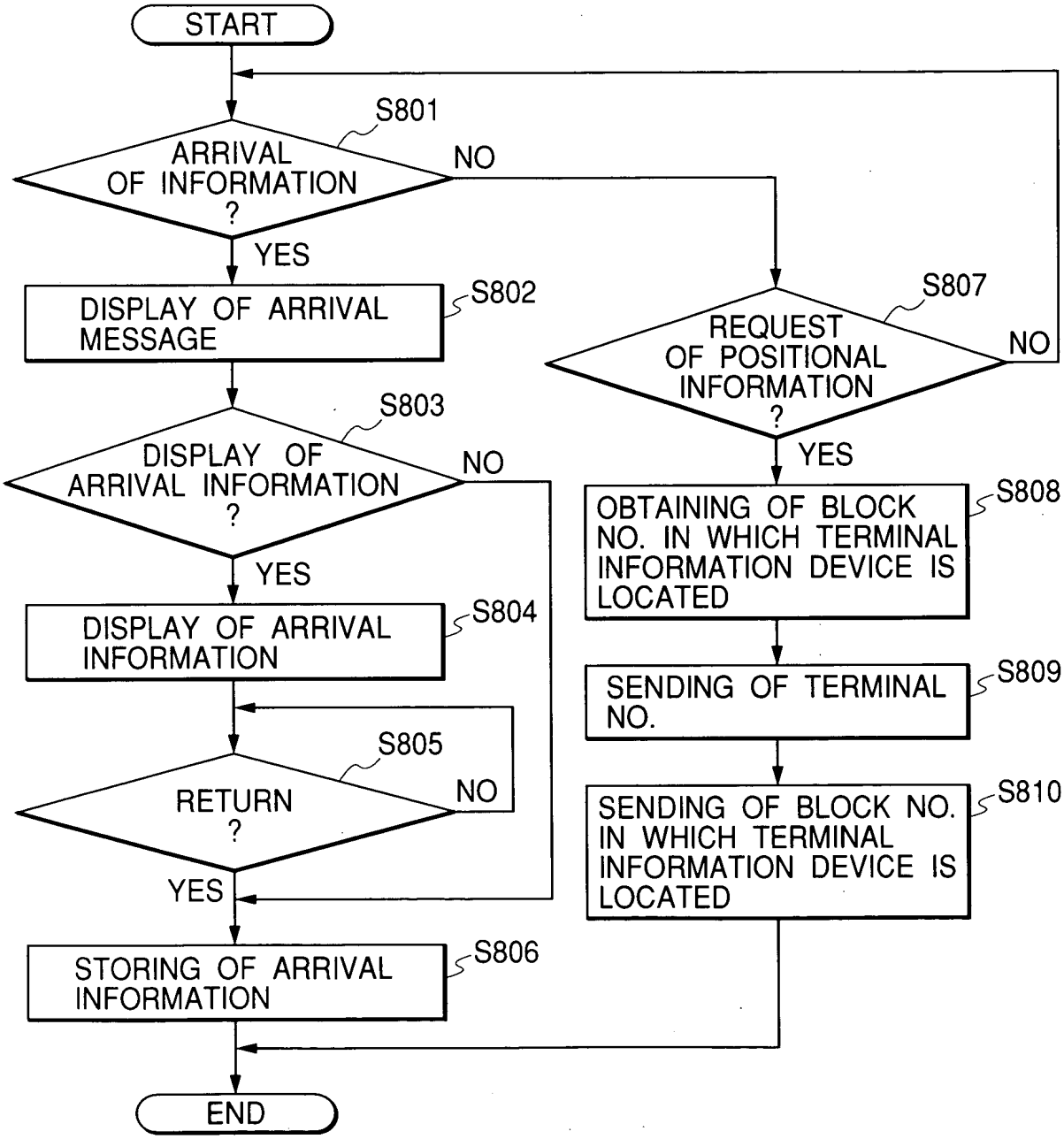
START
S801
ARRIVAL OF INFORMATION ?
NO
YES
DISPLAY OF ARRIVAL MESSAGE
S802
S803
DISPLAY OF ARRIVAL INFORMATION ?
NO
YES
DISPLAY OF ARRIVAL INFORMATION
S804
S805
RETURN ?
NO
YES
STORING OF ARRIVAL INFORMATION
S806
S807
REQUEST OF POSITIONAL INFORMATION ?
NO
YES
OBTAINING OF BLOCK NO. IN WHICH TERMINAL INFORMATION DEVICE IS LOCATED
S808
SENDING OF TERMINAL NO.
S809
SENDING OF BLOCK NO. IN WHICH TERMINAL INFORMATION DEVICE IS LOCATED
S810
END

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FIG. 9

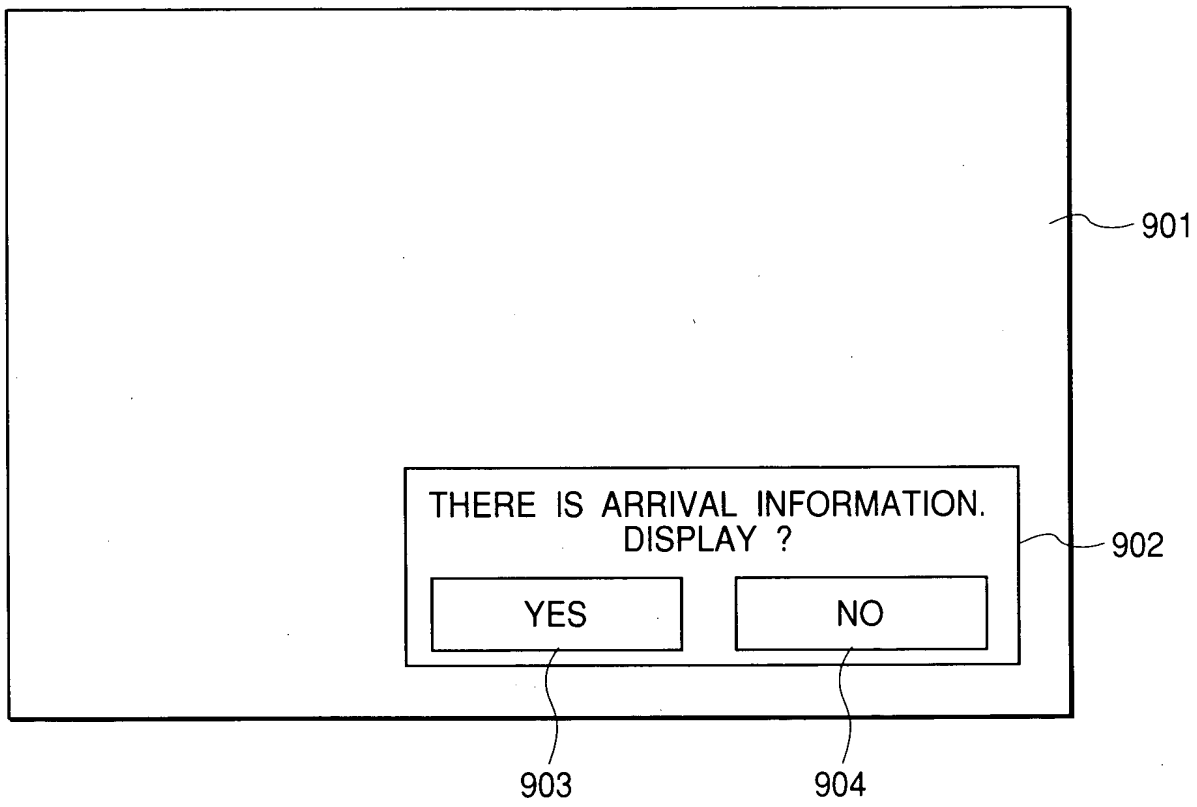

FIG. 10

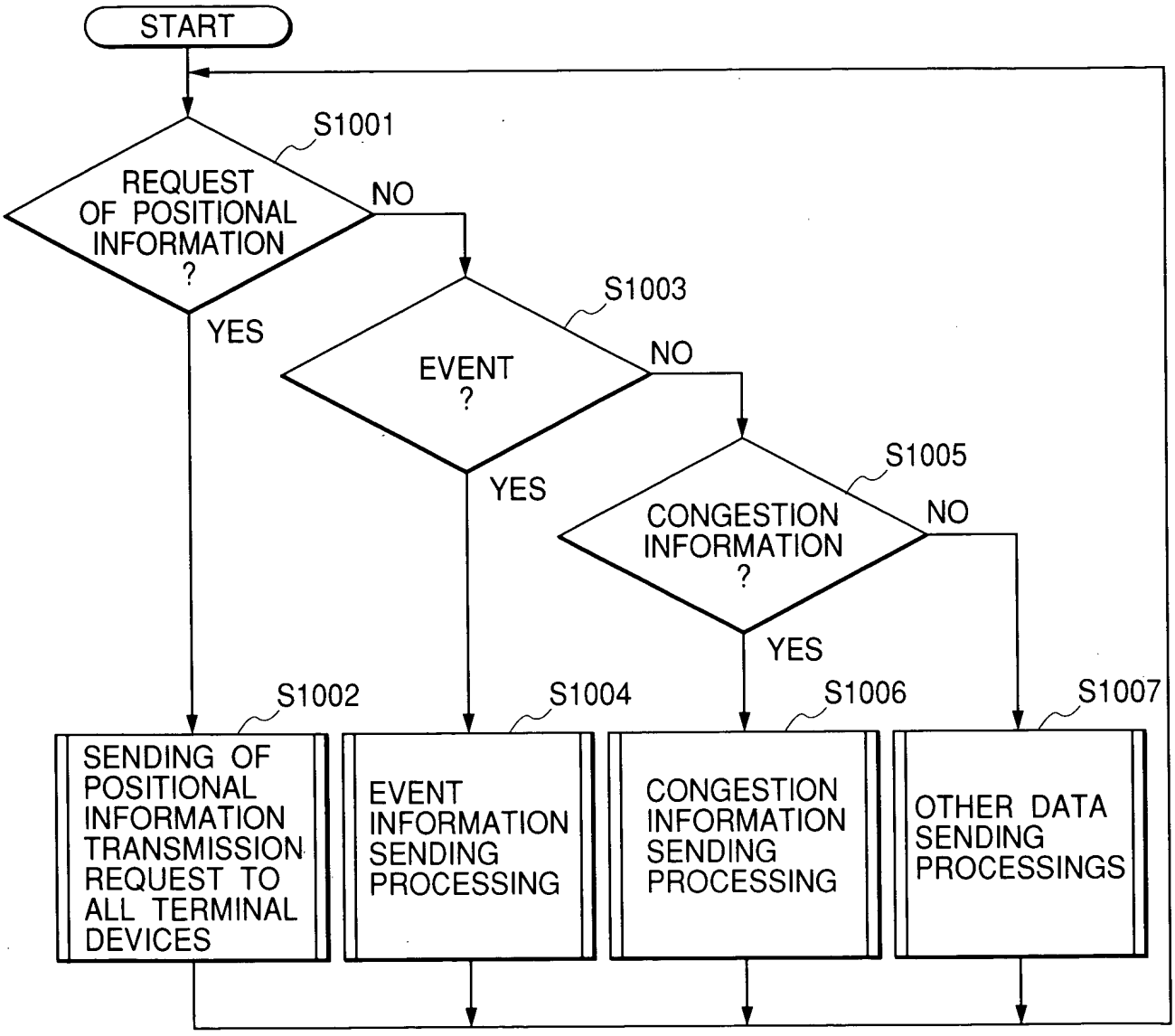
START
S1001
REQUEST OF POSITIONAL INFORMATION ?
NO
YES
S1003
EVENT ?
NO
YES
S1005
CONGESTION INFORMATION ?
NO
YES
S1002
SENDING OF POSITIONAL INFORMATION TRANSMISSION REQUEST TO ALL TERMINAL DEVICES
S1004
EVENT INFORMATION SENDING PROCESSING
S1006
CONGESTION INFORMATION SENDING PROCESSING
S1007
OTHER DATA SENDING PROCESSINGS

FIG. 11

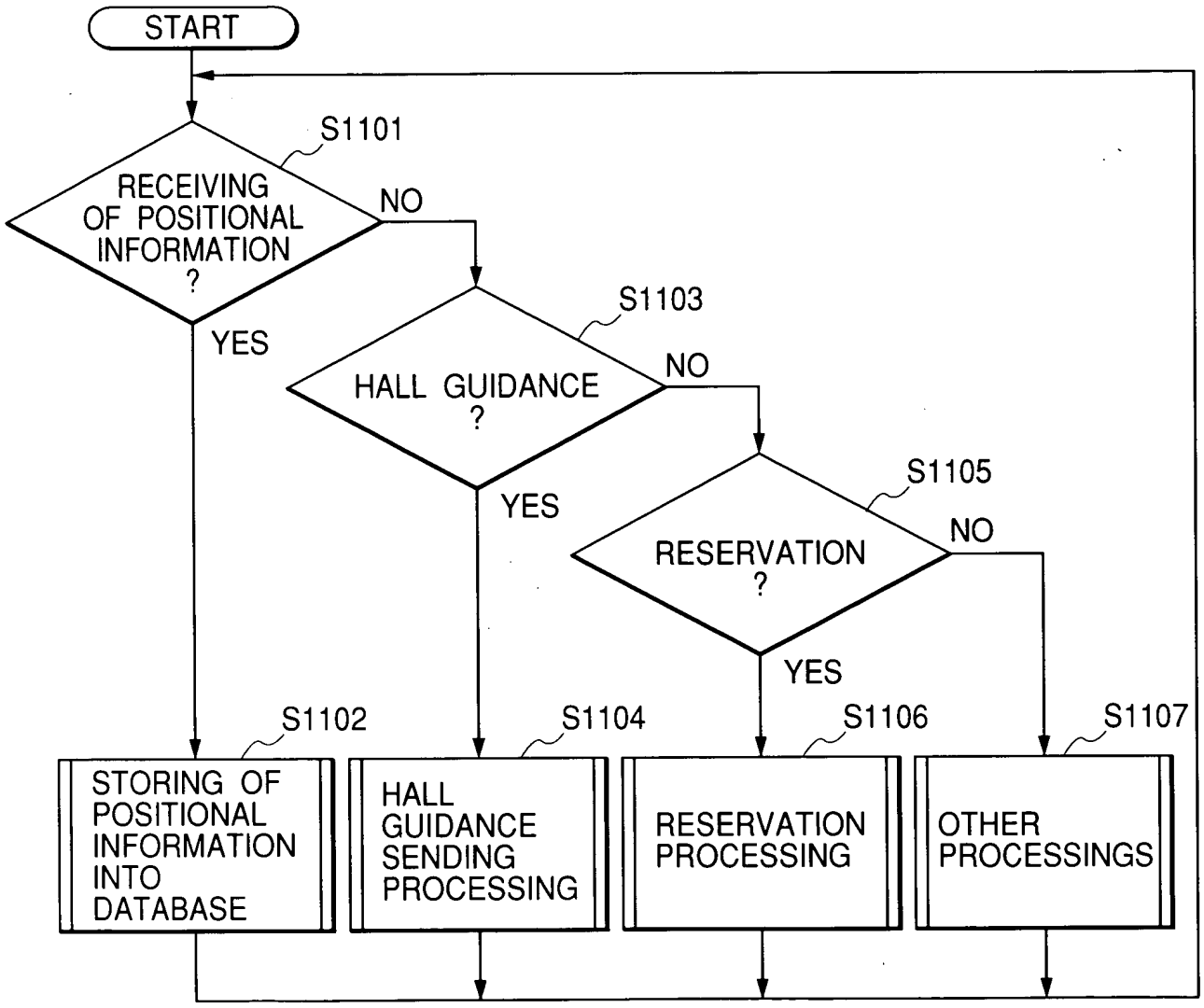
START
S1101
RECEIVING OF POSITIONAL INFORMATION ?
NO
YES
S1103
HALL GUIDANCE ?
NO
YES
S1105
RESERVATION ?
NO
YES
S1102
S1104
S1106
S1107
STORING OF POSITIONAL INFORMATION INTO DATABASE
HALL GUIDANCE SENDING PROCESSING
RESERVATION PROCESSING
OTHER PROCESSINGS

FIG. 12

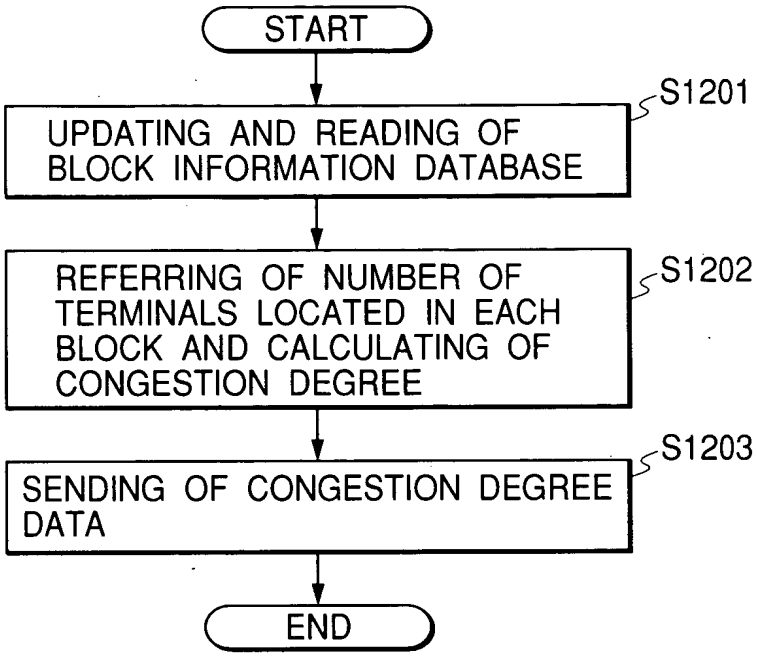
START
UPDATING AND READING OF BLOCK INFORMATION DATABASE
S1201
REFERRING OF NUMBER OF TERMINALS LOCATED IN EACH BLOCK AND CALCULATING OF CONGESTION DEGREE
S1202
SENDING OF CONGESTION DEGREE DATA
S1203
END

FIG. 13

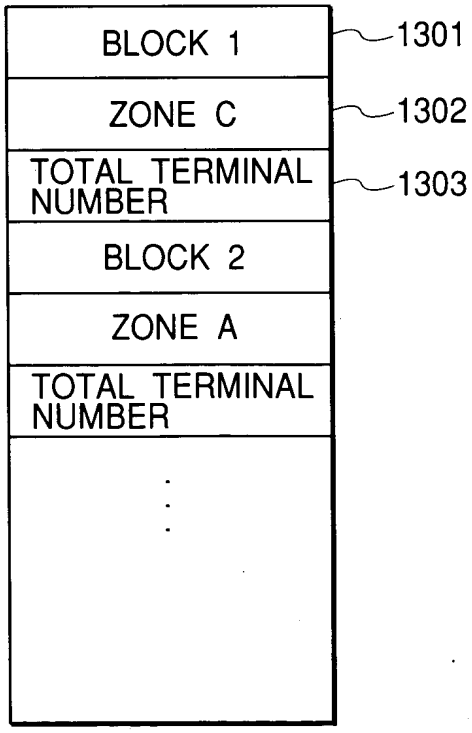
BLOCK 1
1301
ZONE C
1302
TOTAL TERMINAL NUMBER
1303
BLOCK 2
ZONE A
TOTAL TERMINAL NUMBER

FIG. 14

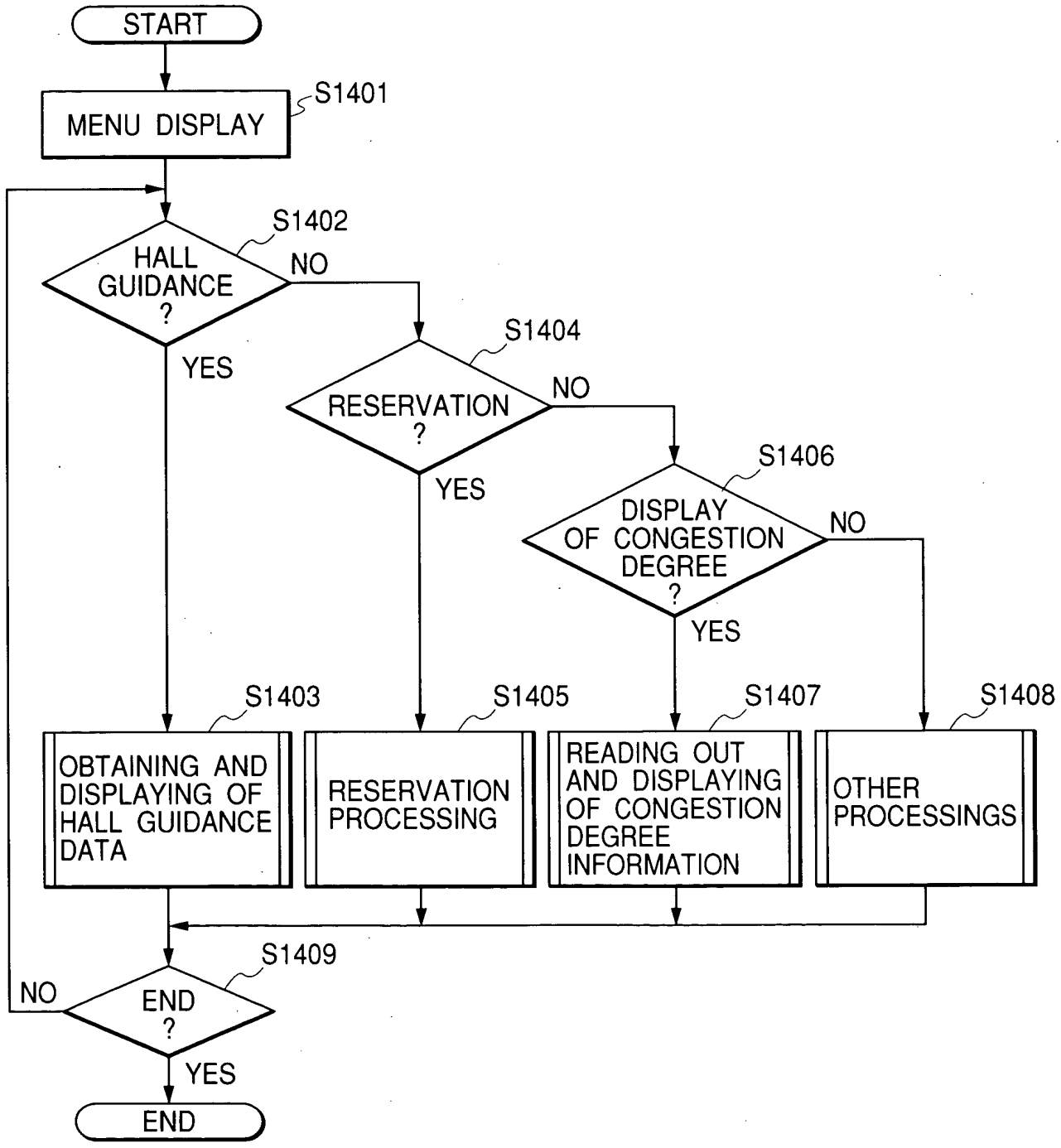
START
MENU DISPLAY
S1401
S1402
HALL GUIDANCE ?
NO
YES
S1404
RESERVATION ?
NO
YES
S1406
DISPLAY OF CONGESTION DEGREE ?
NO
YES
S1403
OBTAINING AND DISPLAYING OF HALL GUIDANCE DATA
S1405
RESERVATION PROCESSING
S1407
READING OUT AND DISPLAYING OF CONGESTION DEGREE INFORMATION
S1408
OTHER PROCESSINGS
S1409
END ?
NO
YES
END

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FIG. 15

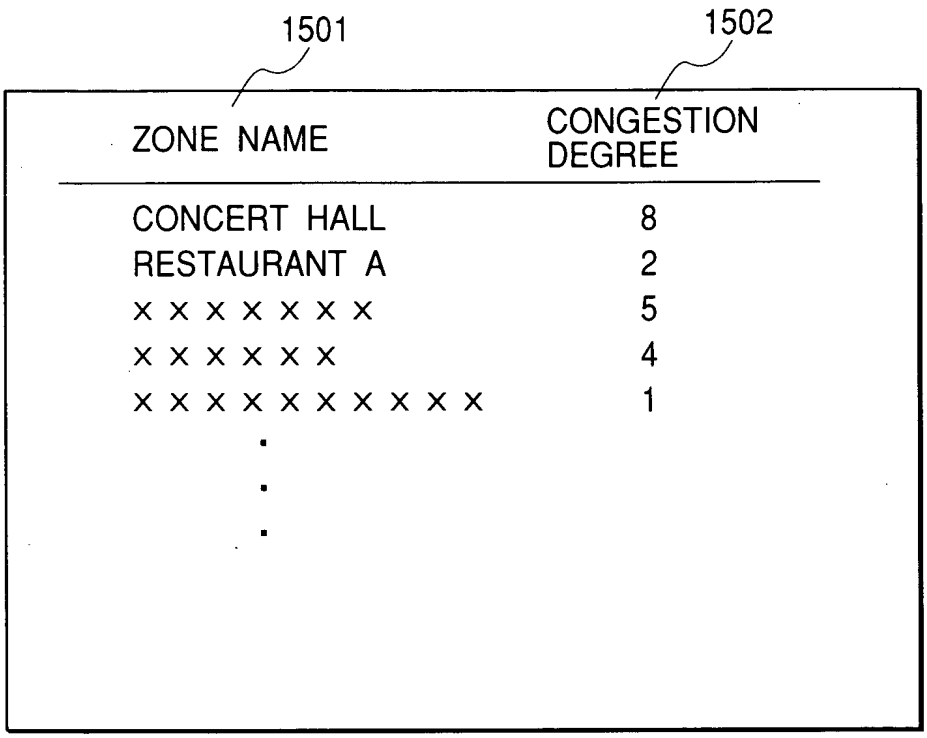

FIG. 16

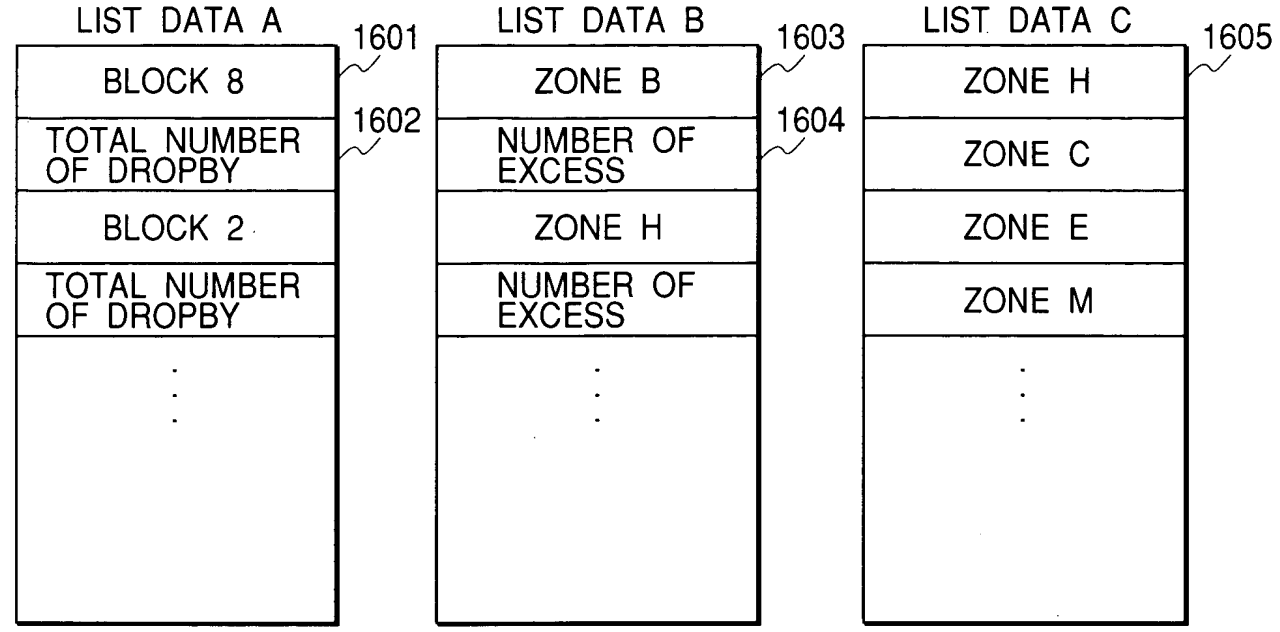
LIST DATA A
1601
BLOCK 8
1602
TOTAL NUMBER OF DROPBY
BLOCK 2
TOTAL NUMBER OF DROPBY
LIST DATA B
1603
ZONE B
1604
NUMBER OF EXCESS
ZONE H
NUMBER OF EXCESS
LIST DATA C
1605
ZONE H
ZONE C
ZONE E
ZONE M

FIG. 17

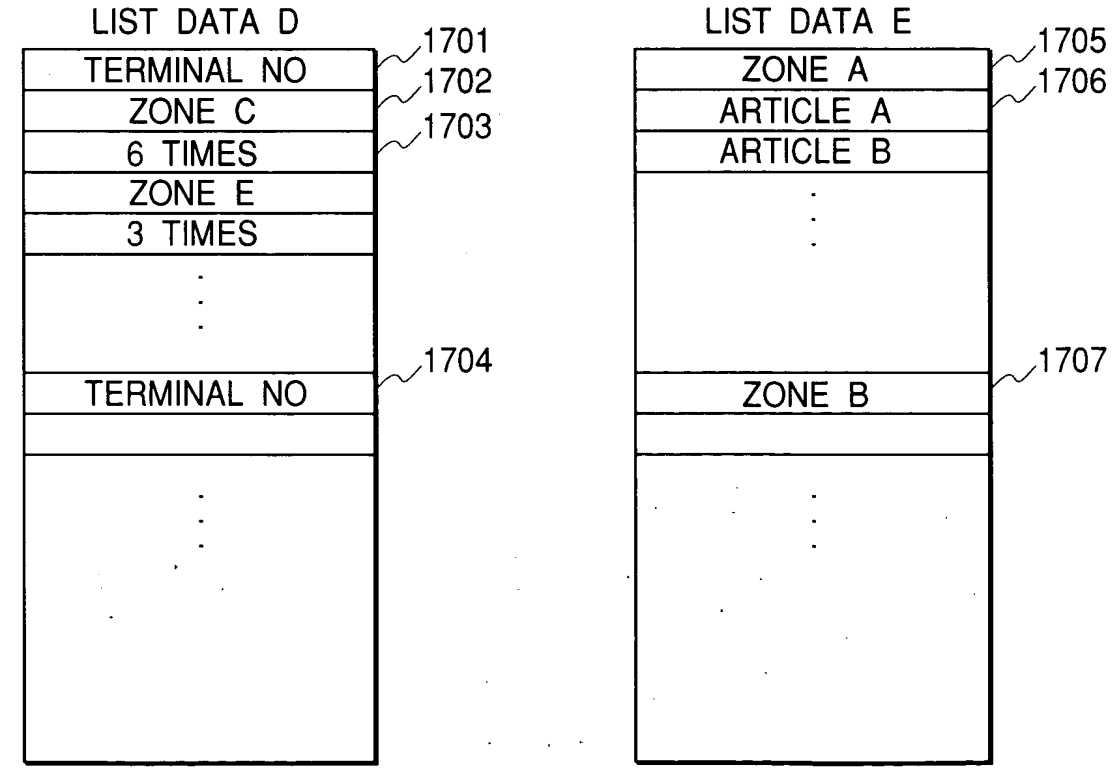
LIST DATA D
1701
TERMINAL NO
1702
ZONE C
1703
6 TIMES
ZONE E
3 TIMES
1704
TERMINAL NO
LIST DATA E
1705
ZONE A
1706
ARTICLE A
ARTICLE B
1707
ZONE B

FIG. 18

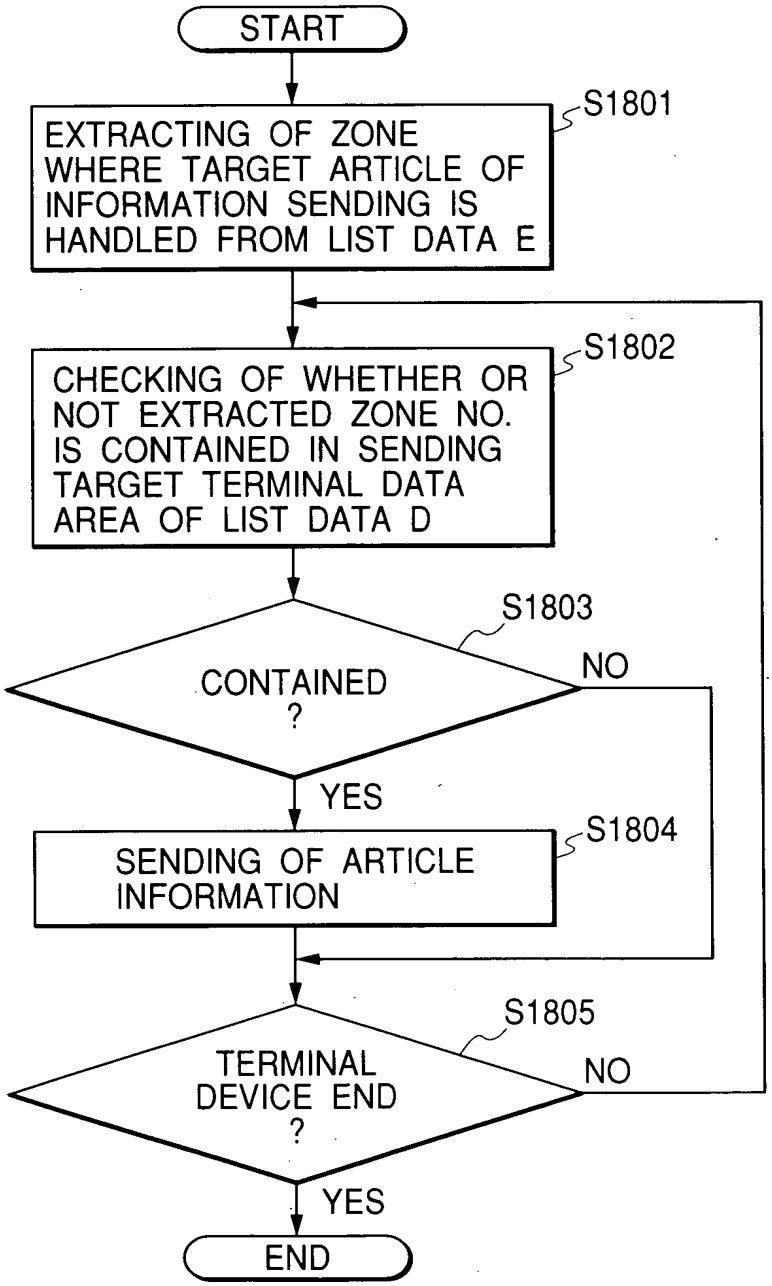
START
EXTRACTING OF ZONE WHERE TARGET ARTICLE OF INFORMATION SENDING IS HANDLED FROM LIST DATA E
S1801
CHECKING OF WHETHER OR NOT EXTRACTED ZONE NO. IS CONTAINED IN SENDING TARGET TERMINAL DATA AREA OF LIST DATA D
S1802
CONTAINED ?
S1803
NO
YES
SENDING OF ARTICLE INFORMATION
S1804
TERMINAL DEVICE END ?
S1805
NO
YES
END

FIG. 19

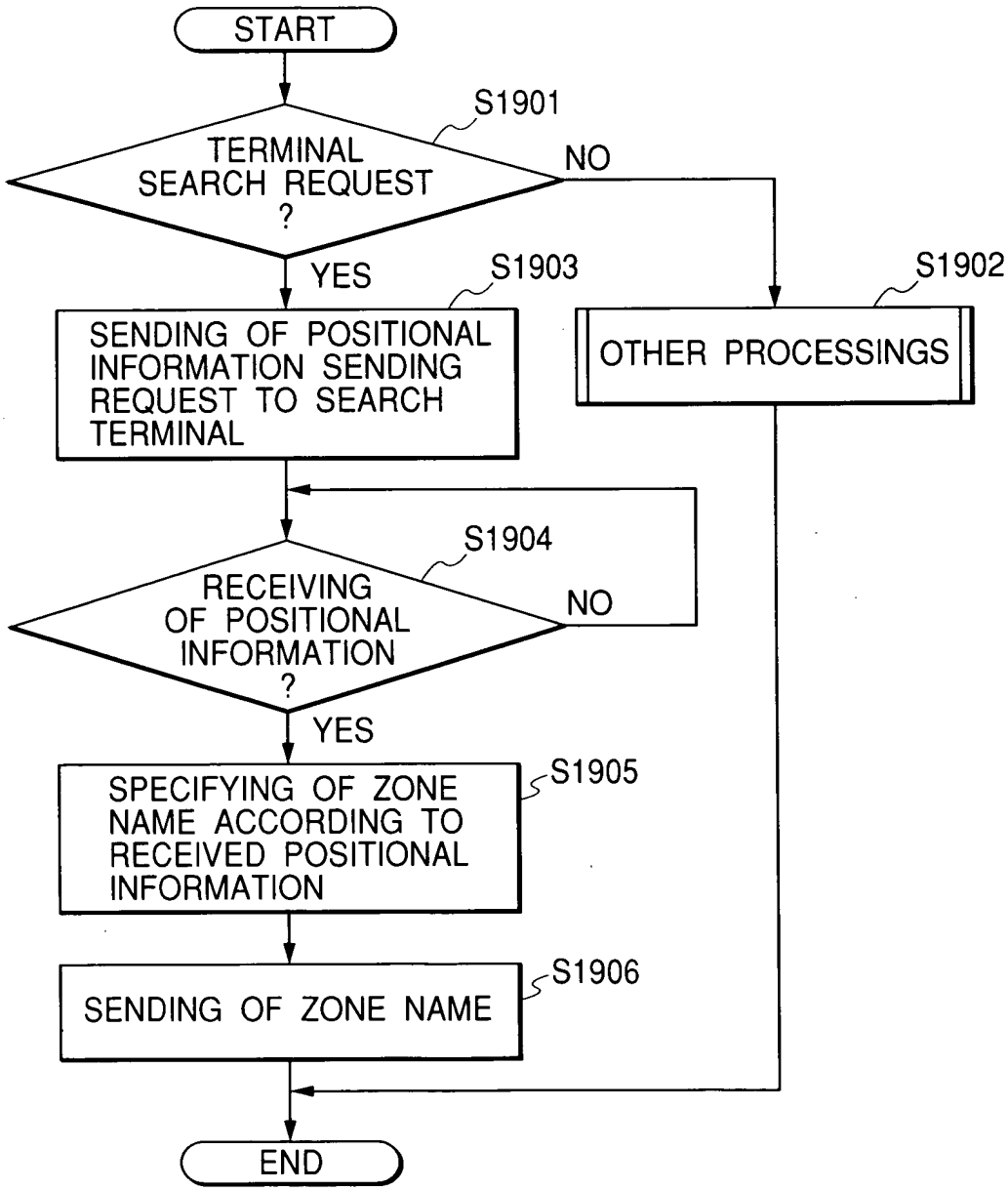
START
S1901
TERMINAL SEARCH REQUEST ?
NO
YES
S1903
SENDING OF POSITIONAL INFORMATION SENDING REQUEST TO SEARCH TERMINAL
S1902
OTHER PROCESSINGS
S1904
RECEIVING OF POSITIONAL INFORMATION ?
NO
YES
S1905
SPECIFYING OF ZONE NAME ACCORDING TO RECEIVED POSITIONAL INFORMATION
S1906
SENDING OF ZONE NAME
END

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FIG. 20

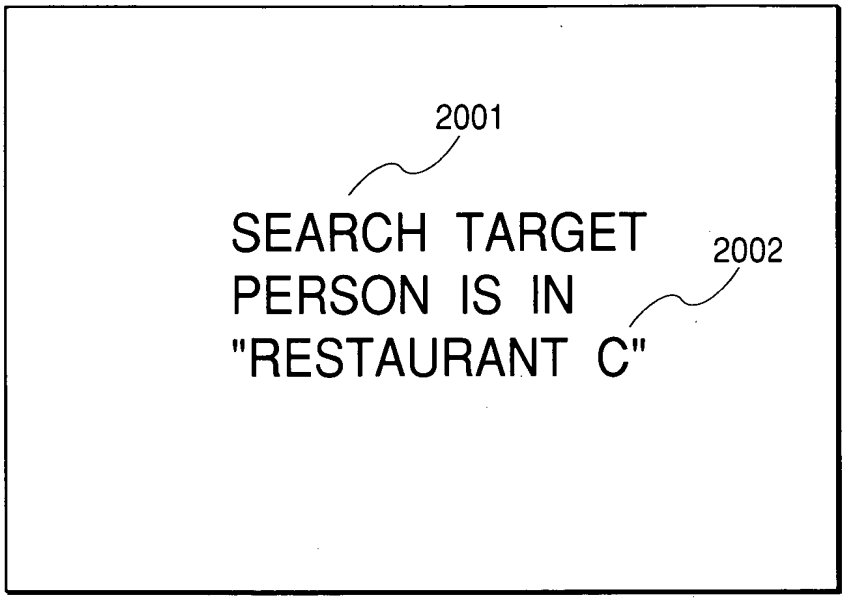


FIG. 21

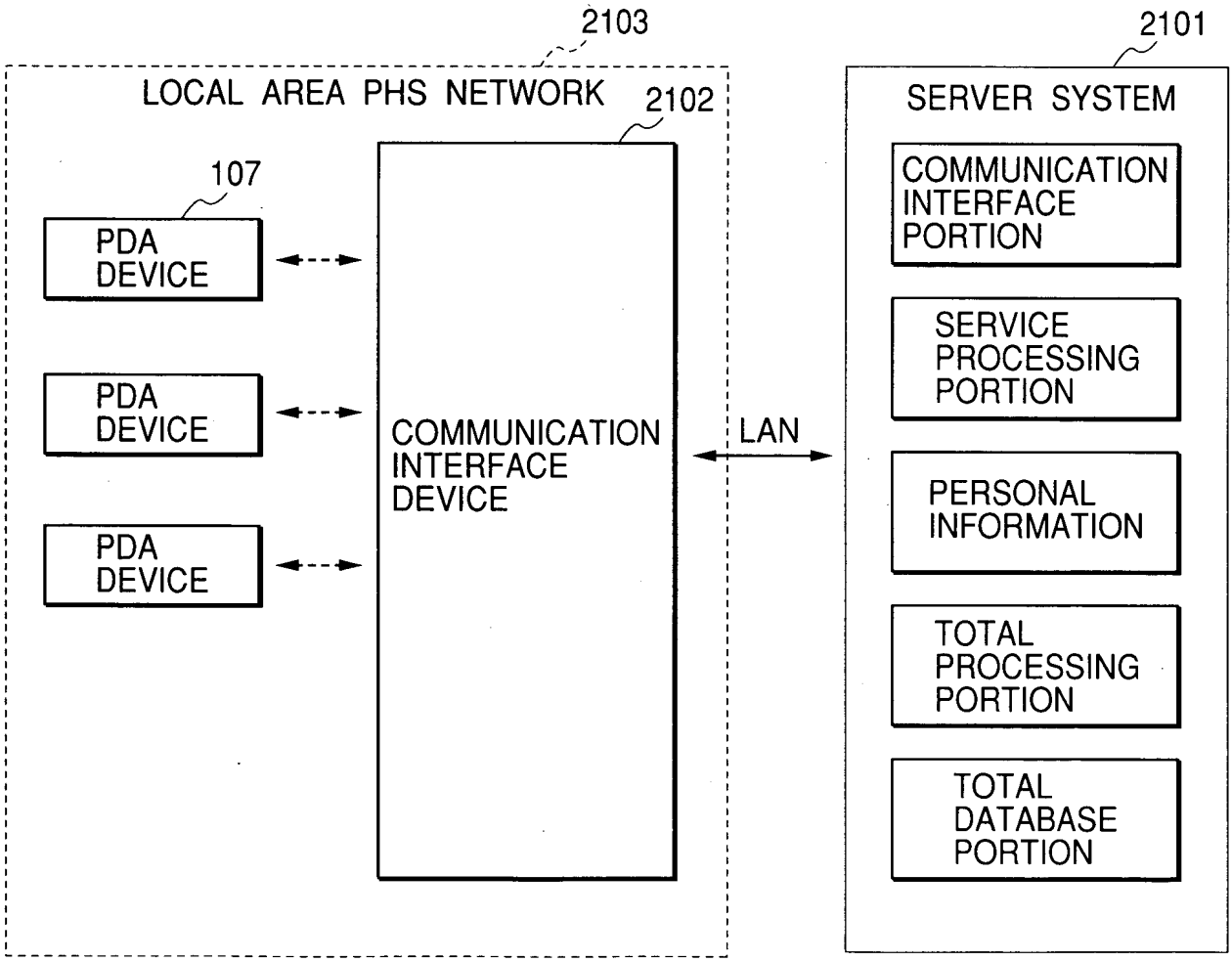
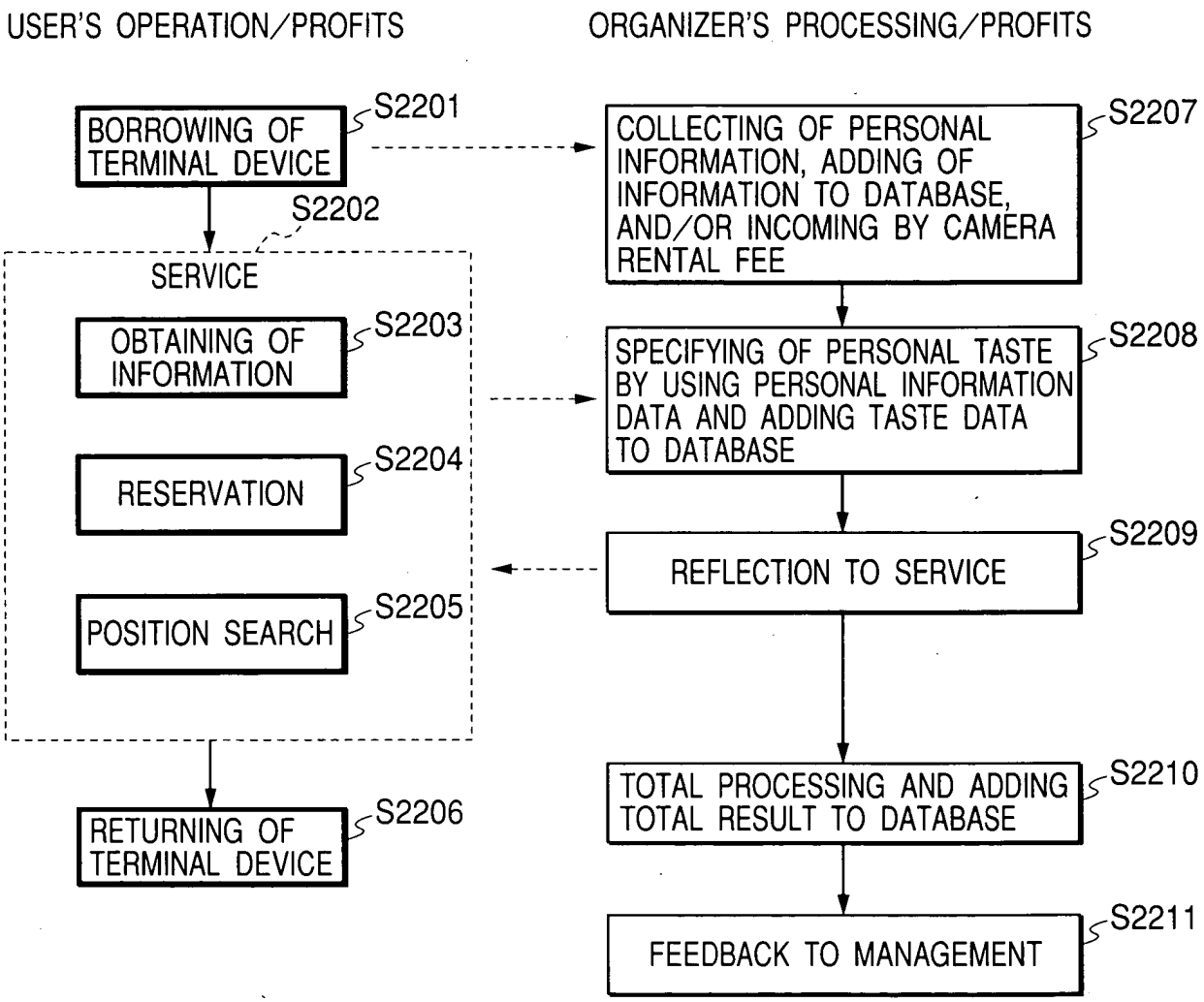

2103
2101
LOCAL AREA PHS NETWORK
2102
SERVER SYSTEM
107
PDA DEVICE
PDA DEVICE
PDA DEVICE
COMMUNICATION INTERFACE DEVICE
LAN
COMMUNICATION INTERFACE PORTION
SERVICE PROCESSING PORTION
PERSONAL INFORMATION
TOTAL PROCESSING PORTION
TOTAL DATABASE PORTION

FIG. 22


USER'S OPERATION/PROFITS
ORGANIZER'S PROCESSING/PROFITS
BORROWING OF TERMINAL DEVICE
S2201
S2202
SERVICE
OBTAINING OF INFORMATION
S2203
RESERVATION
S2204
POSITION SEARCH
S2205
RETURNING OF TERMINAL DEVICE
S2206
COLLECTING OF PERSONAL INFORMATION, ADDING OF INFORMATION TO DATABASE, AND/OR INCOMING BY CAMERA RENTAL FEE
S2207
SPECIFYING OF PERSONAL TASTE BY USING PERSONAL INFORMATION DATA AND ADDING TASTE DATA TO DATABASE
S2208
REFLECTION TO SERVICE
S2209
TOTAL PROCESSING AND ADDING TOTAL RESULT TO DATABASE
S2210
FEEDBACK TO MANAGEMENT
S2211